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अमृत महोत्सव

Agromet Advisory Bulletin for the District, Kozhikode

(Valid from 27.10.2021 to 31.10.2021)

(Issued jointly by Kerala Agricultural University Regional Agricultural Research Station Pilicode & India Meteorological Department)



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A. Weather Summary of preceding three days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
16.1	31.6 – 34.0	24.0 – 25.5	70.3 – 93.7	00 - 06




B. Weather forecast for next five days



Parameters	27-10-2021	28-10-2021	29-10-2021	30-10-2021	31-10-2021
Rainfall, mm	40	40	20	20	20
Max. Temp, °C	33	33	33	33	33
Min. Temp, °C	25	25	25	25	25
Max. Relative Humidity, %	95	95	95	95	95
Min. Relative Humidity, %	70	70	70	70	70
Wind speed, km/h	2	4	6	4	4
Wind direction, degrees	230	270	290	200	320
Total cloud cover, octa	8	8	8	8	8

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
			Isolated heavy rainfalls are likely to occur
			<p>The sky will be cloudy. Low night temperature and high day temperature will be experienced. Hence there will be large difference between day time temperature and night temperature. The atmospheric humidity also will be high.</p> <p style="background-color: yellow;">Isolated heavy rainfalls are likely to occur on days –1, 3, 4 & 5</p> <p>As per extended range forecast, cumulative normal rainfall is likely in the next two weeks.</p> <p>Do not keep harvested produces like rice, rubber, copra, pulses, vegetables, seeds, etc. and fertilizers at open places.</p> <p>Beware of heavy wind and lightning. Avoid working when there is lightning. Don't rest under the trees and in weak shelters.</p> <p>Give strong propping to banana, vegetables and other soft stemmed crop plants.</p> <p>Neither keep the livestock in open places, nor allow them for grazing. They should be sheltered under strong roofs.</p> <p>During non rainy days, rake the soil in the basins of the crops for aerating the rootzone.</p>
			General conditions

Due to rain, increased humidity and temperature crops may get affected with fungal diseases as given below. Keep vigilance and take control measures on time.

Vegetables	Transplanting/ sowing	<p>Select only well drained area for the cultivation or Ensure good drainage facilities. There should not be any waterlogging in the fields.</p> <p>Sow/plant vegetables only on raised bunds/ridges/mounds.</p> <p>While preparing the land, incorporate lime @ 4kg/cent to the soil. Use Trichoderma enriched farm yard manure/compost. This will check the spread of wilt diseases.</p> <p>Before transplanting, dip the roots of the seedlings in slurry of pseudomonas (20g pseudomonas/litre of water) for 30 minutes. This will help the seedlings to grow vigorously.</p> <p>Also the seedlings can be sprayed with diluted pseudomonas culture solution (@20ml dissolved in one litre of water).</p>	
Coconut/ Arecanut/Fruit crops	Seedling stages	<p>Provide strong bunds around the pits to prevent the entry of runoff water into the basins. Do not allow water stagnation in the basins.</p> <p>If any water stagnation, drain/remove the water wherever possible and rake the basins periodically for aerating the roots</p>	
Coconut	All stages	<p style="text-align: center;">Bud rot</p> 	<p>Detection of disease at its early stage will help to adopt efficient corrective measures. Cut and remove the affected tissues from the crown and apply Bordeaux paste. After that cover the cut surface with polythene sheets to protect it from rain falls until new leaf emerges.</p> <p>Burn the removed tissues immediately.</p> <p>As a prophylactic measure spray 1% Bordeaux mixture into the axils of top leaves of the surrounding palms</p>
Black pepper	All stages	<p style="text-align: center;">Foot rot</p> 	<p>As prophylactic measure, apply 150 gram of Trichoderma enriched neem cake - cow dung mixture in the basins of the vines and incorporate thoroughly with the soil.</p> <p>If disease already appeared, drench soil in the plant basins with Redomil 0.2% (2g/litre of water). Spray the same on the leaves also.</p>
Ginger and Turmeric	All stages	<p style="text-align: center;">Rhizome rot</p> 	<p>Drain the field. Drench the field with 1% Bordeaux mixture.</p>

Banana	Various stages of growth	<p>Sigatoka leaf spot</p> 	<p>Cut and burn all affected leaves. Spray Tilt or Contaf (@ 2ml per litre)</p>
Arecanut	Different stages	<p>Rot</p> 	<p>Cut and remove the leaves and affected parts of spindle leaves. Apply Akomin 3ml/L along with Stickers 2ml/L at 25 days interval. Prophylatic application of Kocide @ 2g/L to the healthy palms is recommended. Apply lime @500g/palm</p>

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